

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---------------------------|------------------|---------|---------------------|
| L1    | 1     | 10/525745  | US-PGPUB;<br>USPAT        | OR               | OFF     | 2010/01/02<br>23:47 |
| L2    | 12284 | ieee near5 "802.3"   | US-PGPUB;<br>USPAT        | OR               | OFF     | 2010/01/02<br>23:47 |
| L3    | 565   | ieee near5 "802.3" and regist\$8<br>near5 message  | US-PGPUB;<br>USPAT        | OR               | OFF     | 2010/01/02<br>23:47 |
| L4    | 2     | ieee near5 "802.3" and regist\$8<br>near5 message and (discovery<br>normal) adj3 grant   | US-PGPUB;<br>USPAT        | OR               | OFF     | 2010/01/02<br>23:47 |
| L5    | 11    | ("20020110155"   "5559624"  <br>"5572349"   "5920627"  <br>"5926478"   "5978374"  <br>"6097736"   "6711264"  <br>"6801547"   "6895189"  <br>"7154879").PN. | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L6    | 6     | (kyung same hwan same ahn).inv.  | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L7    | 0     | (su same li same choi).inv.  | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L8    | 0     | (su-li same choi).inv.   | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L9    | 4     | (jae-doo same huh).inv.  | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L10   | 0     | (ki-jun same han).inv.   | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L11   | 10    | L9 L6  | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L12   | 34    | epon and llid  | USPAT                     | OR               | OFF     | 2010/01/02<br>23:47 |
| L13   | 0     | L12 and @ad<"20020925"   | USPAT                     | OR               | OFF     | 2010/01/02<br>23:47 |
| L14   | 10    | grant and L12  | USPAT                     | OR               | OFF     | 2010/01/02<br>23:47 |
| L15   | 11    | grant\$4 and L12   | USPAT                     | OR               | OFF     | 2010/01/02<br>23:47 |
| L16   | 7     | ("20040028409"   "20040073788"<br>  "20040136534"   "20040196862"<br>  "20050008158"   "20050047602"<br>  "6870836").PN.                                   | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2010/01/02<br>23:47 |
| L17   | 10    | grant\$4 with (kind type discover\$3<br>normal) and epon   | USPAT                     | OR               | OFF     | 2010/01/02<br>23:47 |
| L18   | 99    | grant\$4 with (kind type discover\$3<br>normal) with regist\$8   | USPAT                     | OR               | OFF     | 2010/01/02<br>23:47 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| L19 | 74   | L18 and @ad<"20020925"   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L20 | 0    | epon and L19   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L21 | 0    | olt and onu and L19  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L22 | 0    | pon and L19  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L23 | 99   | grant\$4 with (kind type discover\$3<br>normal) with regist\$8   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L24 | 74   | L18 and @ad<"20020925"   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L25 | 0    | llid and L19   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L26 | 37   | llid and pon   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L27 | 0    | L26 and @ad<"20020925"   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L28 | 15   | llid and grant\$4  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L29 | 4    | ("20020063924"   "20030142626"<br>  "20030236916"   "7031343").PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L30 | 12   | ("20030117998"   "20030137975"<br>  "20030152389"   "20030190168"<br>  "20030235205"   "20040028409"<br>  "20040057431"   "20040100962"<br>  "20040120315"   "20050249498"<br>  "7245621"   "7274695").PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L31 | 7049 | ((370/395.41,395.2,353) or<br>(380/278) or (709/395.2,223)).<br>OCLS.  | USPAT; USOCR              | OR | OFF | 2010/01/02<br>23:47 |
| L32 | 0    | llid near20 pon and L31  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L33 | 1    | llid and pon and L31   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L34 | 34   | olt and onu and llid and pon   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L35 | 1    | L31 and L34  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L36 | 0    | L34 and @ad<"20020925"   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L37 | 60   | registration with request with<br>grant  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L38 | 40   | L37 and @ad<"20020925"   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L39 | 24   | grant\$4 with (kind type discover\$3<br>normal) and pon  | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |
| L40 | 17   | L39 and @ad<"20020925"   | USPAT                     | OR | OFF | 2010/01/02<br>23:47 |

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| L41 | 6  | ("20030170032"   "20050249497"<br>  "6546014"   "6721797"  <br>"6795398"   "6801547").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L42 | 12 | ("20030117998"   "20030137975"<br>  "20030152389"   "20030190168"<br>  "20030235205"   "20040028409"<br>  "20040057431"   "20040100962"<br>  "20040120315"   "20050249498"<br>  "7245621"   "7274695").PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L43 | 5  | ("6091740"   "6201622"  <br>"6393007"   "6778557"  <br>"6909719").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L44 | 8  | ("20010008455"   "20020122428"<br>  "20040109688"   "20040141745"<br>  "20040258094"   "20050047783"<br>  "6546014"   "6643290").PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L45 | 5  | ("6091740"   "6201622"  <br>"6393007"   "6778557"  <br>"6909719").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L47 | 1  | 11/438990  | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02<br>23:47 |
| L48 | 1  | 11/438990 and (computer with<br>(medi\$4 carriers signal\$4 waves))  | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02<br>23:47 |
| L49 | 1  | 11/438990 and ((medi\$4 carriers<br>signal\$4 waves))  | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02<br>23:47 |
| L50 | 1  | 11/438990 and ((medi\$4 carriers<br>signal\$4 waves software))   | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02<br>23:47 |
| L51 | 8  | ("20010030785"   "20010038620"<br>  "5623668"   "5648958"  <br>"5794117"   "5917822"  <br>"5978374"   "6088360").PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L52 | 10 | ("5425027"   "5544161"  <br>"5559999"   "5572517"  <br>"5579302"   "5579312"  <br>"5586121"   "5613191"  <br>"5684791"   "5699532").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02<br>23:47 |
| L53 | 46 | (US-20050008158-\$ or US-<br>20040073788-\$ or US-<br>20040028409-\$ or US-<br>20050047602-\$ or US-<br>20050249498-\$ or US-<br>20040120315-\$ or US-<br>20040100962-\$ or US-<br>20040057431-\$ or US-<br>20030235205-\$ or US-<br>20030190168-\$ or US-<br>20030152389-\$ or US-<br>20030137975-\$ or US-<br>20030117998-\$).did. or (US-<br>6801547-\$ or US-5920627-\$ or US-<br>7436765-\$ or US-7372854-\$ or US-<br>7362704-\$ or US-7245628-\$ or US-<br>7545813-\$ or US-6870836-\$ or US-<br>7477845-\$ or US-6967949-\$ or US-<br>5559624-\$ or US-7483633-\$ or US- | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02<br>23:47 |

|     |    |  |                           |    |     |                  |
|-----|----|--|---------------------------|----|-----|------------------|
|     |    | 7301970-\$ or US-7031343-\$ or US-7274695-\$ or US-7245621-\$ or US-7577362-\$ or US-7525971-\$ or US-7379676-\$ or US-7492768-\$ or US-7330654-\$ or US-7289501-\$ or US-7389527-\$ or US-7142544-\$ or US-7139487-\$ or US-7016356-\$).did.<br>or (US-6728248-\$ or US-6721797-\$ or US-6633541-\$ or US-7443874-\$ or US-7301968-\$ or US-6546014-\$ or US-6778557-\$).did. |                           |    |     |                  |
| L54 | 9  | grant\$4 near20 (kind type discover \$3 normal) near20 (onu olt pon) and L53   | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L55 | 2  | (registration request\$4) near20 grant\$4 near20 (kind type discover \$3 normal) near20 (onu olt pon) and L53  | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L56 | 5  | (registration request\$4) near20 (kind type discover\$3 normal) near20 (onu olt pon) and L53   | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L57 | 2  | (registration request\$4) same grant \$4 near20 (kind type discover\$3 normal) near20 (olt) and L53  | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L58 | 4  | (registration request\$4) same grant \$4 near20 (kind type discover\$3 normal) near20 (onu)  | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L59 | 7  | ("5761197"   "5850400"   "5966163"   "6262997"   "6470032"   "6633541"   "6636527").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02 23:47 |
| L60 | 0  | (registration request\$4) same grant \$4 near20 (kind type) and L59  | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L61 | 0  | ((registration near20 request\$4) and grant\$4) near20 (kind type) and L59   | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L62 | 42 | ((registration near20 request\$4) and grant\$4) near20 (kind type)   | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L63 | 38 | L62 and @ad<"20020913"   | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L64 | 0  | L62 and @ad<"20020913" and (onu olt pon)   | USPAT                     | OR | OFF | 2010/01/02 23:47 |
| L65 | 0  | 11/340063 and alarm\$4   | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02 23:47 |
| L66 | 1  | 11/340063  | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02 23:47 |
| L67 | 0  | 11/340063 and non-alarm  | US-PGPUB;<br>USPAT        | OR | OFF | 2010/01/02 23:47 |
| L68 | 11 | ("5317742"   "5533116"   "5726979"   "5892900"   "5910987"   "5915019"   "5917912"   "5920542"   "5949876"   "6058103"   "6112085").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2010/01/02 23:47 |

|     |      |  |   |    |     |                     |
|-----|------|--|---|----|-----|---------------------|
| L69 | 0    | L63 and lld  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/02<br>23:47 |
| L70 | 0    | L62 and lld  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/02<br>23:47 |
| L71 | 24   | L53 and lld  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/02<br>23:47 |
| L72 | 0    | L71 and @ad<"20020913"   | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L73 | 8    | "6647210"  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L74 | 2    | ((("6647210") or ("6807188")).PN.  | USPAT; USOCR  | OR | OFF | 2010/01/02<br>23:47 |
| L75 | 1    | (flag (assign\$4 with id)) and L74   | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L76 | 1    | (flag with regist\$7) and L74  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L77 | 563  | "802.3" and registration   | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L78 | 0    | "802.3" near10 registration  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L79 | 0    | "802.3" near20 registration  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L80 | 16   | "802.3" same registration  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L81 | 11   | L80 and @ad<"20020913"   | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L82 | 947  | onu olt and L81  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L83 | 0    | (onu olt) and L81  | USPAT   | OR | OFF | 2010/01/02<br>23:47 |
| L84 | 1    | 10/525745 and "802.3"  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/02<br>23:47 |
| L85 | 1243 | ((370/442) or (398/102)).CCLS.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2010/01/03<br>00:12 |
| L86 | 10   | (grant\$4 with (kind type discover<br>\$3 normal) with regist\$8).CLM.           | USPAT   | OR | OFF | 2010/01/03<br>00:14 |
| L87 | 0    | 86 AND 85  | USPAT   | OR | OFF | 2010/01/03<br>00:15 |
| L88 | 2    | ((registration near20 request\$4)<br>and grant\$4) near20 (kind type) ).<br>CLM. | USPAT   | OR | OFF | 2010/01/03<br>00:16 |
| L89 | 9    | (registration with request with<br>grant).CLM.                                   | USPAT   | OR | OFF | 2010/01/03<br>00:17 |
| L90 | 1    | 63 AND 85  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/01/03<br>00:19 |

|     |    |                   |   |    |    |                     |
|-----|----|-------------------|---|----|----|---------------------|
| L91 | 19 | 54 55 56 57 58 59 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/03<br>00:20 |
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**1 / 3 / 2010 12:22:35 AM**

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